

CLAIMS

1. A peroxide-crosslinked rubber composition having a superior anti-blooming property comprising (A) more than 60 parts by weight but not more than 95 parts by weight of at least one rubber selected from the group consisting of a natural rubber (NR), a polyisoprene rubber (IR), a styrene-butadiene copolymer rubber (SBR), a polybutadiene rubber (BR), an ethylene-propylene rubber (EPM), an ethylene-propylene-diene terpolymer (EPDM), a 5 silicone rubber and a fluororubber and (B) at least 5 parts by weight but less than 40 parts by weight of a polar polymer having a solubility parameter (Sp value) of at least 17.6 ( $\text{Pa}^{1/2}$ ) and a weight average molecular weight of at least 100,000, wherein the total weight of 10 the components (A) and (B) is 100 parts by weight.

2. A rubber composition as claimed in claim 1, wherein said polar polymer (B) is a rubber composition comprising 100 parts by weight of an ethylenically unsaturated nitrile-conjugated diene-based high 15 saturation rubber having a conjugated diene unit content of 30 wt% or less and 20 to 120 parts by weight of a metal salt of an ethylenic unsaturated carboxylic acid blended therein.

3. A rubber composition as claimed in claim 1, 20 crosslinked with an organic peroxide and containing as a component (A), (A') a rubber ingredient containing at least 40 parts by weight of a polybutadiene rubber, as an ingredient (B), (B') a rubber composition comprising 100 parts by weight of an ethylenically unsaturated nitrile- 25 conjugated diene-based high saturation copolymer rubber having a conjugated diene unit content of 30 wt% or less and 20 to 120 parts by weight of a metal salt of an ethylenically unsaturated carboxylic acid blended therein, in an amount of 5 to 40 parts by weight based upon 100 parts by weight of the total amount of the 30 components (A') and (B'), and (C) carbon black having a nitrogen specific surface area of 70  $\text{m}^2/\text{g}$  or less in an

amount so that the total weight of the ingredient (B') and ingredient (C) becomes 20 to 70 parts by weight, based upon 100 parts by weight of the total amount of the components (A') and (B').

5       4. A rubber composition as claimed in claim 3, wherein a 50% modulus of said rubber composition is 3.0 to 10 MPa and a  $\tan\delta$  at 100°C of said rubber composition is not more than 0.15.

10      5. A pneumatic tire using a rubber composition according to claim 3 or 4.

6. A pneumatic tire having a run flat capability using a rubber composition according to claim 3 or 4 as a side reinforcing wall and/or bead filler, without using an adhesive rubber.